

## Title (en)

A method for producing aryl alkyl hydroperoxides

## Title (de)

Verfahren zur Herstellung von Aryl-alkyl-hydroperoxiden

## Title (fr)

Procédé pour la préparation d'aryle-alkyle-hydropéroxydes

## Publication

**EP 0729938 A3 19970820 (EN)**

## Application

**EP 96102831 A 19960226**

## Priority

- JP 4057895 A 19950228
- JP 5481895 A 19950314
- JP 12512495 A 19950524

## Abstract (en)

[origin: EP0729938A2] A method for producing aryl alkyl hydroperoxides which comprises selectively oxidizing an aryl alkyl hydrocarbon having the formula: <CHEM> wherein P and Q are hydrogen or an alkyl and may be the same or different from each other; x is an integer of 1-3; and Ar is an aromatic hydrocarbon group having a valence of x, with an oxygen-containing gas in the presence of a transition metal complex which contains, as a ligand, a cyclic polyfunctional amine compound having at least three nitrogen atoms in the ring forming molecular chain or an open chain polyfunctional amine compound having at least three nitrogen atoms in the main chain of the molecule.

## IPC 1-7

**C07C 211/65; C07D 255/00; C07D 257/00; C07D 259/00; C07C 407/00**

## IPC 8 full level

**C07F 13/00** (2006.01); **C07C 211/65** (2006.01); **C07C 215/14** (2006.01); **C07C 219/06** (2006.01); **C07C 229/16** (2006.01); **C07C 233/36** (2006.01); **C07C 251/24** (2006.01); **C07C 251/74** (2006.01); **C07C 251/76** (2006.01); **C07C 251/86** (2006.01); **C07C 255/24** (2006.01); **C07C 407/00** (2006.01); **C07C 409/08** (2006.01); **C07C 409/10** (2006.01); **C07C 409/12** (2006.01); **C07D 255/02** (2006.01); **C07D 257/02** (2006.01); **C07D 259/00** (2006.01); **C07F 1/08** (2006.01); **C07F 15/00** (2006.01)

## CPC (source: EP KR US)

**C07C 211/65** (2013.01 - EP US); **C07C 215/14** (2013.01 - EP US); **C07C 219/06** (2013.01 - EP US); **C07C 229/16** (2013.01 - EP US); **C07C 233/36** (2013.01 - EP US); **C07C 251/24** (2013.01 - EP US); **C07C 251/74** (2013.01 - EP US); **C07C 251/76** (2013.01 - EP US); **C07C 251/86** (2013.01 - EP US); **C07C 255/24** (2013.01 - EP US); **C07C 407/00** (2013.01 - EP US); **C07C 409/08** (2013.01 - EP KR US); **C07C 409/10** (2013.01 - EP US); **C07C 409/12** (2013.01 - EP US); **C07D 255/02** (2013.01 - EP US); **C07D 257/02** (2013.01 - EP US); **C07D 259/00** (2013.01 - EP US)

## Citation (search report)

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- [X] EP 0543619 A1 19930526 - EXXON RESEARCH ENGINEERING CO [US]
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- [X] DATABASE WPI Week 7534, Derwent World Patents Index; AN 75-56360, XP002032834 & JP S5037741 A 19750408 & JP S5037741 A 19750408
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US7692046B2

## Designated contracting state (EPC)

BE DE ES FR GB IT NL

## DOCDB simple family (publication)

**EP 0729938 A2 19960904; EP 0729938 A3 19970820; EP 0729938 B1 20010905;** CA 2170457 A1 19960829; CN 1139670 A 19970108; CN 1195733 C 20050406; CN 1258527 C 20060607; CN 1273448 C 20060906; CN 1305991 A 20010801; CN 1305992 A 20010801; DE 69614899 D1 20011011; DE 69614899 T2 20020411; ES 2162955 T3 20020116; FI 118599 B 20080115; FI 960937 A0 19960228; FI 960937 A 19960829; KR 100424730 B1 20040719; KR 960031434 A 19960917; MY 116835 A 20040430; RU 2142954 C1 19991220; SG 46577 A1 19980220; TW 534902 B 20030601; US 5847227 A 19981208; US 5945572 A 19990831; US 6028193 A 20000222

## DOCDB simple family (application)

**EP 96102831 A 19960226;** CA 2170457 A 19960227; CN 00128095 A 19960228; CN 00128096 A 20001127; CN 96105791 A 19960228; DE 69614899 T 19960226; ES 96102831 T 19960226; FI 960937 A 19960228; KR 19960004991 A 19960228; MY PI9600694 A 19960227; RU 96103834 A 19960228; SG 1996006104 A 19960228; TW 85102205 A 19960227; US 17265398 A 19981015; US 29198899 A 19990415; US 60749696 A 19960227